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(54) DEVICE FOR TREATING EXHAUST GAS PALLET FILLED WITH HAVING HONEYCOMB CATALYST

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a device for treating exhaust gas having pallet filled with a honeycomb catalyst where a pressure loss is low when the exhaust gas passing through the device, where the gas to be treated is uniformly and efficiently distributed into catalyst layers without being directly passed through or short-circuited, where the reaction ratio is high, and where filling up a reactor with the catalyst and replacement of the deteriorated catalyst are greatly facilitated, in a fixed-type device for treating exhaust gas so as to treat harmful gas components.

SOLUTION: This device for treating exhaust gas comprises a structure comprising a catalyst pallet group composed of a plurality of pallet unit layers each formed by horizontally arranging a plurality of pallets 103 formed by stacking honeycomb- shaped catalyst elements 101 in matrix shapes and housing them in a case having a through-hole in the upper and lower directions and a housing 6 for the pallet group composed of the pallet unit layers 104 multiply arranged in vertical direction with spaces there between. The structure body containing the housing for the housing 106 of the pallet group for treating the exhaust gas is provided with a guide means for movably supporting the pallets and the pallets have slidable sliding parts and a guide means.

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